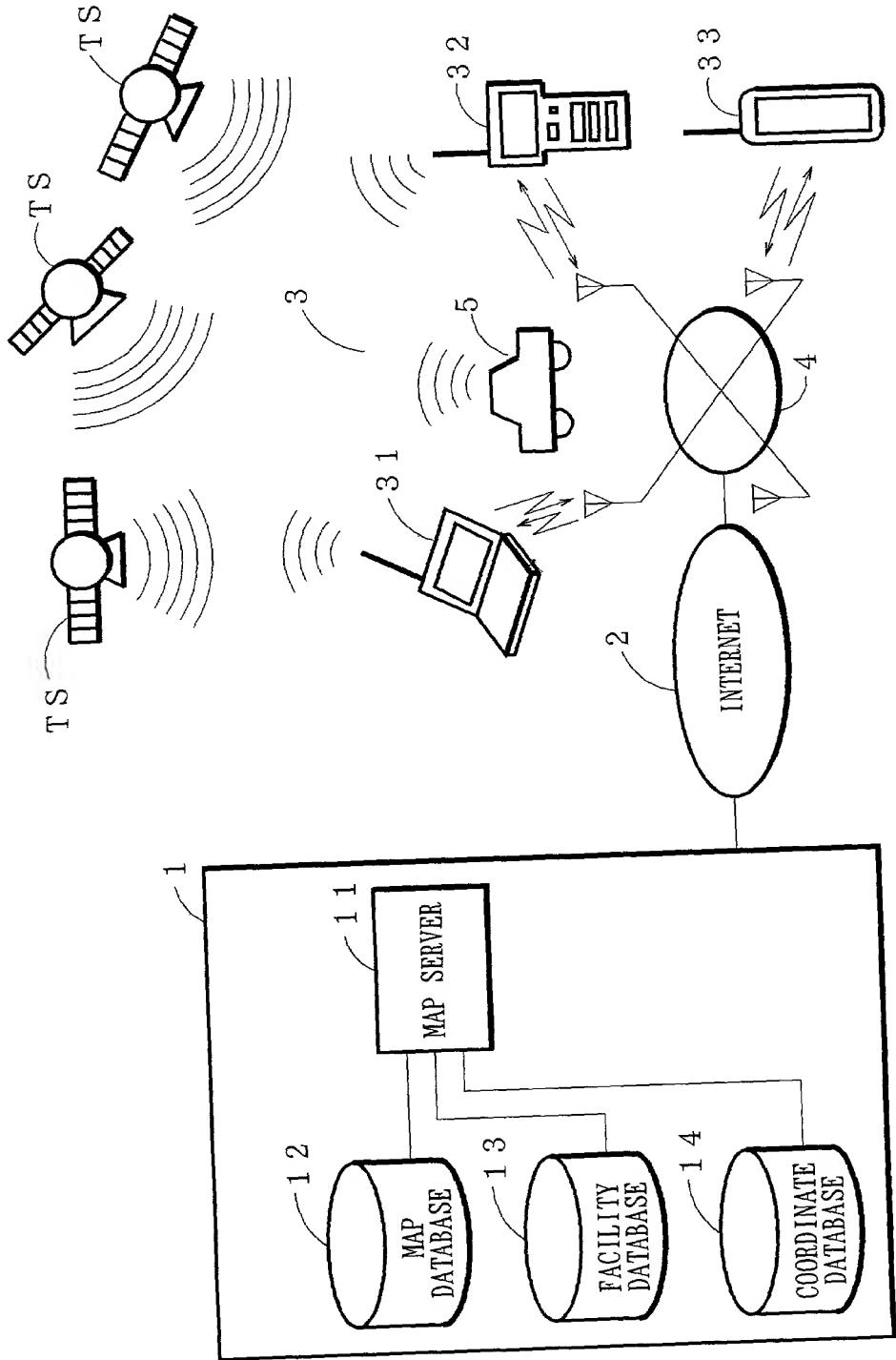
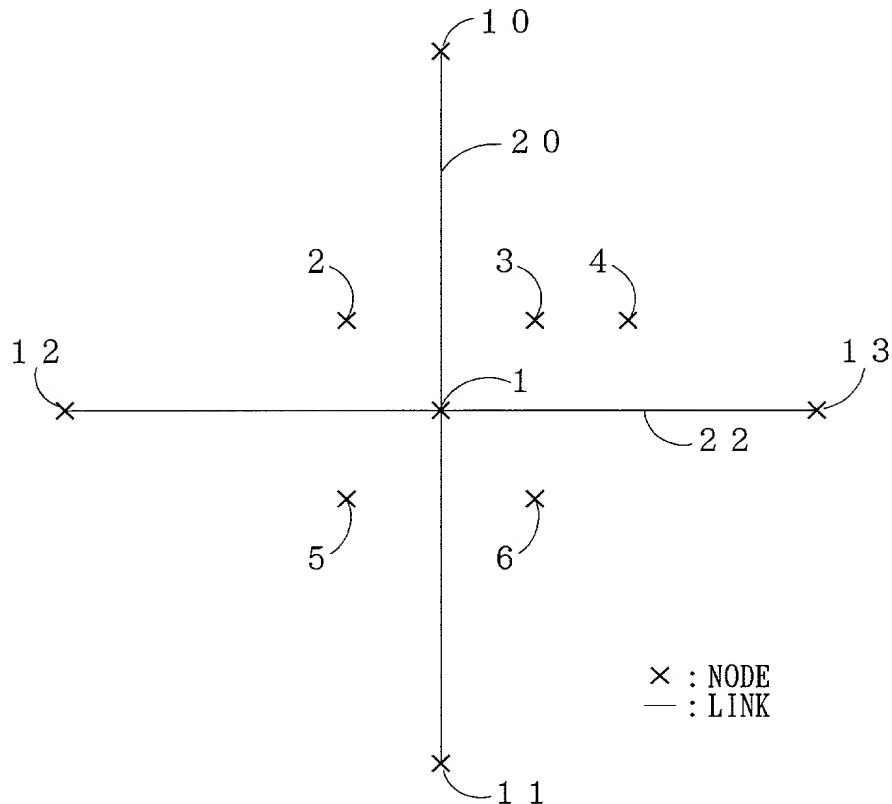


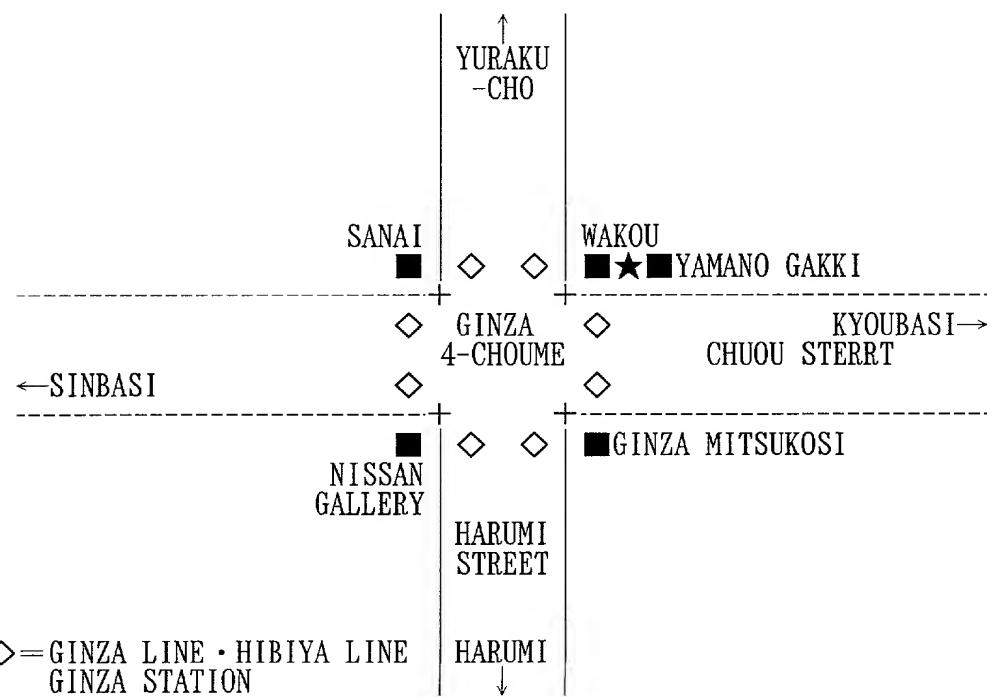
FIG. 1



F I G. 2



F I G. 3



## FIG. 4 A

NODE TABLE

NODE NO.	LATITUDE	LONGITUDE
1	x 1	y 1
2	x 2	y 2
3	x 3	y 3
4	x 4	y 4
5	x 5	y 5
6	x 6	y 6
1 0	x 1 0	y 1 0
1 1	x 1 1	y 1 1
1 2	x 1 2	y 1 2
1 3	x 1 3	y 1 3

## FIG. 4 B

LINK TABLE

LINK POSITION INFORMATION			ATTRIBUTE		
LINK NO.	STARTING POINT	ENDING POINT	LENGTH	NUMBER OF LANES	ONE-WAY TRAFFIC
2 0	1 0	1 1	1 5. 3	3	—
2 2	1 2	1 3	2 0. 4	3	—

## F I G. 5 A

OBJECT INFORMATION TABLE

NAME	GENRE	LATITUDE	LONGITUDE	ADDRESS	TEL
SANAI	STORE	x 2	y 2	○○○	×××
WAKOU	STORE	x 3	y 3	○○○	×××
YAMANO GAKKI		x 4	y 4	○○○	×××
NISSAN GALLERY		x 5	y 5	○○○	×××
GINZA MITSUKOSI		x 6	y 6	○○○	×××

## F I G. 5 B

AREA NAME TABLE

AREA NAME	NODE NO.	RINK NO.
CHUOU STREET	2、3、4、…	2 2
SINBASI	1 2	
KYOUBASI	1 3	
GINZA 4-CHOUME	1	
HARUMI	1 1	
HARUMI STREET	1	2 0

## FIG. 6 A

### TEXT CONVERSION TABLE

FORM	TEXT (SYMBOL)
STREET (HORIZONTAL)	—
STREET (VERTICAL)	
STREET (OBLIQUE)	/
STREET (OBLIQUE)	
INTERSECTION	+
INTERSECTION (OBLIQUE)	×
BUILDING	■
STATION I/O	◇

## FIG. 6 B

### TEXT MAP DATA

X-COORDINATES	Y-COORDINATES	TEXT SYMBOL
X 5 0	Y 2	
X 5 0	Y 3	
X 4 5	Y 4 5	■
X 5 5	Y 4 5	■
X 4 7	Y 4 3	+

FIG. 7

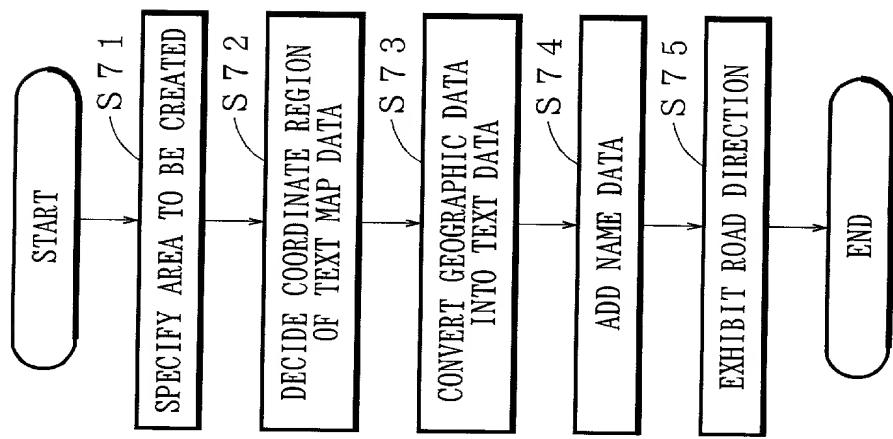
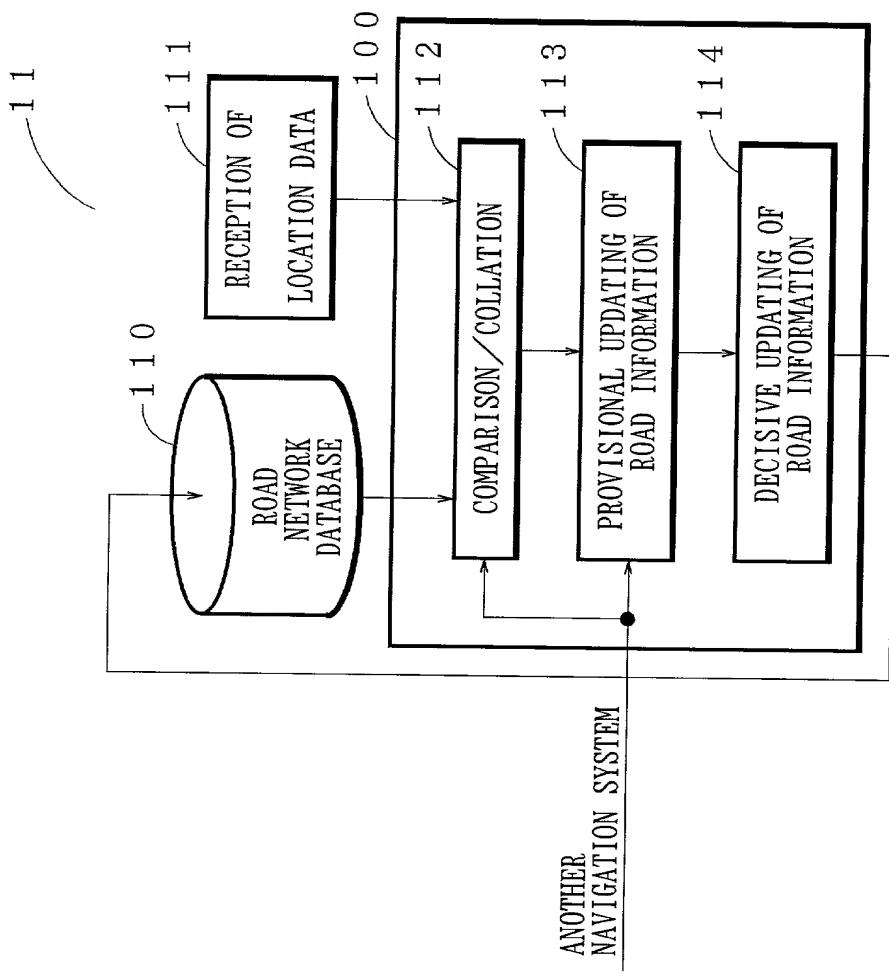


FIG. 8



NAKANO  
SERVER, METHOD AND PROGRAM FOR UPDATING ROAD  
INFORMATION IN MAP INFORMATION PROVIDING SYSTEM,  
AND RECORDING MEDIUM WITH PROGRAM RECORDED  
Filed July 6, 2001  
Darryl Mexic  
6 of 7

Q65341  
202-293-7060

F I G. 9

